



[Name of Document] Claims

[claim 1]

A substrate processing system for performing a processing including a plurality of processes on a substrate  
5 by operating a number of devices incorporated in a substrate processing apparatus, which comprises:

a storage unit for storing therein commands describing operations of the devices;

a generation unit for generating macro files from the  
10 stored commands and creating a process sequence macro by combining the generated macro files, each of the macro files corresponding to each of the plurality of processes; and

an execution unit for executing the process sequence macro.

15 [claim 2]

The substrate processing system of claim 1, wherein the generation unit includes a user interface.

[claim 3]

The substrate processing system of claim 1 or 2,  
20 wherein the commands are converted into hard codes.

[claim 4]

The substrate processing system of any one of claims 1 to 3, further comprising another storage unit for storing the generated macro files.

25 [claim 5]

The substrate processing system of claim 4, wherein

said another storage unit is identical to the storage unit.

[claim 6]

The substrate processing system of any one of claims 1 to 5, further comprising a communication unit for sending the macro files to an external device and receiving the macro files from the external device.

[claim 7]

The substrate processing system of claim 6, further comprising a verification unit for examining whether a sequence of each of the macro files is normal.

[claim 8]

The substrate processing system of any one of claims 1 to 7, wherein the storage unit further stores therein a data file defining a control of a operation of each of the devices corresponding to the macro files; the generation unit generates the data file; and the execution unit executes the control of the operation of each of the devices based on the generated data file.

[claim 9]

The substrate processing system of claim 8, wherein the storage unit incorporates still another storage unit for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

[claim 10]

The substrate processing system of claim 8 or 9, wherein the data file also defines an alarming operation for

reporting the completion of the control of the operation of each of the devices; and a control of another devices related to the operation of each of the devices.

[claim 11]

5           A substrate processing method for performing a processing including a plurality of processes on a substrate by operating a multiplicity of devices incorporated in a substrate processing apparatus, the method comprising the steps of:

10           storing commands defining operations of the devices;  
            generating macro files from the stored commands and creating a process sequence macro by combining the generated macro files, each of the macro files corresponding to each of the plurality of processes; and

15           executing the process sequence macro.

[claim 12]

            The substrate processing method of claim 11, wherein the storage step further stores a data file defining a control of a operation of each of the devices corresponding  
20           to the macro files; the generation step generates the data file; and the execution step executes the control of the operation of each of the devices based on the generated data file.

[claim 13]

25           The substrate processing method of claim 12, wherein the storage step further includes another storage step for

storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

[claim 14]

5       The substrate processing method of claim 12 or 13, wherein the data file also defines an alarming operation for reporting the completion of the control of the operation of each of the devices; and a control of another devices related to the operation of each of the devices.

[claim 15]

10       A program for executing a substrate processing method for performing a processing including a plurality of processes on a substrate by operating a multiplicity of devices incorporated in a substrate processing apparatus,

15       wherein the program's operations executed on a computer comprises:

      a storage module for storing therein commands describing operations of the devices;

20       a generation module for generating macro files from the stored commands and creating a process sequence macro by combining the generated macro files, each of the macro files corresponding to each of the plurality of processes; and

      an execution module for executing the process sequence macro.

[claim 16]

25       The program of claim 15, wherein the commands are converted into hard codes.

[claim 17]

The program of claim 15 or 16, wherein the program further operates another storage module for storing the generated macro files on the computer.

5 [claim 18]

The program of any one of claims 15 to 17, wherein the program further operates a transmission module for sending the macro files to an external device and a reception module for receiving the macro files from the external device on  
10 the computer.

[claim 19]

The program of claim 18, wherein the program further operates a verification module for examining whether a sequence of each of the macro files is normal.

15 [claim 20]

The program of any one of claims 15 to 19, wherein the storage module further stores a data file defining a control of a operation of each of the devices corresponding to the macro files; the generation module generates the data file;  
20 and the execution module executes the control of the operation of each of the devices based on the generated data file.

[claim 21]

The program of claim 20, wherein the storage module  
25 incorporates still another storage unit for storing the data file defining the control of the operation of each of the

devices corresponding to the macro files.

[claim 22]

5 The program of claim 20 or 21, wherein the data file also defines an alarming operation for reporting the completion of the control of the operation of each of the devices; and a control of another devices related to the operation of each of the devices.

[claim 23]

10 A program for performing a substrate processing method for conducting a processing on a substrate by using a substrate processing system including a substrate processing apparatus; a controller equipped with an operation input unit through which an operation of a user is inputted to control an operation of the substrate processing apparatus;  
15 and a remote terminal isolated from the substrate processing apparatus and equipped with another operation input unit through which an operation of a user is inputted,

wherein the program's operations executed on a computer comprises:

20 an operation control module for controlling an operation of the operation input unit; and

another operation control module for controlling an operation of said another operation unit.

[claim 24]

25 The program of claim 23, wherein the operation control module includes an input restriction unit for restricting an

input of an operation from either one of the operation input unit and said another operation input unit.

[claim 25]

5 The program of claim 23 or 24, wherein the operation control module includes an input source determination unit for determining an input source of an operation of the user when the operation is inputted.

[claim 26]

10 A program for performing a substrate processing method for conducting a processing on a substrate by using a substrate processing system including a substrate processing apparatus; a controller equipped with an operation input unit through which an operation of a user is inputted to control an operation of the substrate processing apparatus;  
15 and a remote terminal isolated from the substrate processing apparatus and equipped with another operation input unit through which an operation of a user is inputted,

wherein the program's operations executed on a computer comprises:

20 a display module for displaying operation items that can be inputted to the operation input unit; and  
a remote input module for displaying the operation items on said another operation input unit and recognizing an input to said another operation input unit as an input to the  
25 operation input unit.